Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S45	11697	(wire or wire) with (ball or balls or bump or bumps) with (bond or bonding or bonder or bonders or bonded or bonds)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/14 14:38
S46	9	S45 and (pass$3) adj through with (tool or tool or capillar$9) with (press near1 (bonded or bond or bonding or bonds)) with ball	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/14 14:50
S47	4	("4330329" | "4702302" | "4938923" | "5071619"). PN. OR ("6159420"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/14 14:49
S48	343557	S45 or (multiple or plurality or tripple or double) with (bumps or bump or ball or balls or bonding or bonds or bonded or bonders)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/14 14:53
S49	4760	S45 and (multiple or plurality or tripple or double) with (bumps or bump or ball or balls or bonding or bonds or bonded or bonders)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/14 14:53

S50	52918	wire and (multiple or plurality or tripple or double) with (bumps or bump or ball or balls or bonding or bonds or bonded or bonders)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/14 14:54
S51	12006	wire with (multiple or plurality or tripple or double) with (bumps or bump or ball or balls or bonding or bonds or bonded or bonders)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/14 14:54
S52	62	S51 and (raise$6 or move$3) adj (head or heads or tool or tools or capillar$6)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/14 15:10
S53	34	S52 and horizontal with (direction or side or turn or position)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/14 15:00
S54	5	wire with (two or three or double or tripple or four) near2 (tilt or incline or inclined or slope or bent or bend or bending or bended) with (bumps or bump or balls or ball or bond or bonds or bonding or bonded) with (conductor$3 or conducting or substrate or substrates)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/14 15:19

S55	0	228/180.5/4.5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/14 15:19
S56	0	228/180.5,4.5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/14 15:19
S57	1995	228/180.5,4.5.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/14 15:50
S58	21	S57 and S52	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/14 15:21
S59	7	("4575602" | "4976393" | "5110032" | "5285949" | "5538176" | "6068174" | "6234376").PN. OR ("6824037").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/14 15:25

S60	14	(("4732313") or ("4861533") or ("4889274") or ("4909427") or ("4976393") or ("5249732") or ("5393948") or ("5395037") or ("5433371") or ("5538176") or ("5685476") or ("5816480") or ("5958259") or ("6001724")).PN.	USPAT; USOCR	OR	OFF	2005/06/14 15:27
S61	32	("3380155" | "3654694" | "4098447" | "4323759" | "4388512" | "4390771" | "4476366" | "4594493" | "4661192" | "4889275" | "5014111" | "5249450" | "5249732" | "5302550" | "5386624" | "5395037" | "5457356" | "5578527" | "5612256").PN. OR ("6001724").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/14 15:29
S62	16	("3380155").URPN.	USPAT	OR	ON	2005/06/14 15:34
S63	17	("2636920" | "3205572" | "3286340" | "3380155" | "3486223" | "3617682"). PN. OR ("3797100"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/14 15:35
S64	321	wire with (multi or tripple or double or three or two or four or plurality) with stage with (bonding or bonds or bump or bumps or bonded or ball or balls)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2005/06/14 15:57
S65	2	"6232211".pn.	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2005/06/15 08:49

S66	1	S65 and wire and (loop or looped)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/15 09:52
S67	18	(("4442967") or ("4855251") or ("5172851") or ("5226582") or ("5246159") or ("5299729") or ("5891796") or ("5953624") or ("5981371")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/15 09:58
S68	0	S67 and (inclined or incline or tilted or loop or looped) and (wedge or wedges)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/15 10:00
S69	148	multi with (stage or stages or third or multiple or multiple) with wire with (bond or bonding or bonded or bump or bumps or ball or balls)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/15 11:39
S70	0	("2004/0164128").URPN.	USPAT	OR	ON	2005/06/15 10:06
S71	0	("2004/0014685").URPN.	USPAT	OR	ON	2005/06/15 10:07

S72	0	("2004/0014685").URPN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/15 10:07
S73	1	("2002/0014685").URPN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/15 10:07
S74	11	("20020014685" | "20020105069" | "5328079" | "5740956" | "5908317" | "6181569" | "6239366" | "6396155" | "6420256").PN. OR ("6561411").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/15 10:09
S75	0	(2002/0014685a1).CCLS.	USPAT; USOCR	OR	OFF	2005/06/15 11:08
S76	0	(2002/0014685a1).CCLS.	USPAT; USOCR	OR	OFF	2005/06/15 11:08
S77	0	(2002/0014685.ap.).CCLS.	USPAT; USOCR	OR	OFF	2005/06/15 11:10
S78	0	2002/0014685.ap.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/15 11:10

S79	0	"0014685".ap.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/15 11:10
S80	4	"014685".ap.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/15 11:11
S81	0	09/011039.ap.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/15 11:16
S82	0	257/673,676	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/15 11:16
S83	2583	257/673,676.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/15 11:17

S84	1644	S83 and wire and (bonding or bond or ball or balls or bump or bumps)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/15 11:18
S85	189	S84 and (multiple or multi or double or two or three or thriple) with (bumps or bump or balls or ball or bumps or bump)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/15 11:27
S86	0	("2002/0137327").URPN.	USPAT	OR	ON	2005/06/15 11:22
S87	0	(2002/0137327A1).CCLS.	USPAT; USOCR	OR	OFF	2005/06/15 11:28
S88	1422	kiley stoner and (multi near2 stage) with (wire with (bonding or bond or bump or bumps or balls or ball or bonded))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/15 11:42
S89	0	S88 and looped with (inclined or incline or inclining or tilt or tilting or slant or slanted) with wedge	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/15 11:45

S90	0	S88 and looped and (inclined or incline or inclining or tilt or tilting or slant or slanted) with wedge	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/15 11:45
S91	0	S88 and looped and (inclined or incline or inclining or tilt or tilting or slant or slanted) and wedge	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/15 11:45
S92	1	S88 and looped and wedge	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/15 11:45
S93	13	("4442967" | "5090119" | "5172851" | "5299729" | "5328079" | "5364009" | "5485949" | "5842628"). PN. OR ("6079610"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/15 11:50
S94	49	("3357090" | "3430835" | "4219143").PN. OR ("4442967").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/15 11:52
S95	49	("3357090" | "3430835" | "4219143").PN. OR ("4442967").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/15 11:54
S96	33	("3357090").URPN.	USPAT	OR	ON	2005/06/15 13:11
S97	0	"6079610" with wire with loop with incline with wedge	USPAT	OR	ON	2005/06/15 13:12

S98	0	"6079610" with wire with loop with incline with wedge	USPAT	OR	ON	2005/06/15 13:13
S99	0	"6079610" with wire with loop$3	USPAT	OR	ON	2005/06/15 13:13
S100	0	"6079610" with incline$3 with wedge	USPAT	OR	ON	2005/06/15 13:13
S101	1	"6079610" and incline$3 and wedge	USPAT	OR	ON	2005/06/15 13:14
S102	5	"6079610" and (loop or looped)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/15 13:15
S103	1	("6595400").PN.	USPAT; USOCR	OR	OFF	2005/06/15 15:41
S104	1	("6467678").PN.	USPAT; USOCR	OR	OFF	2005/06/15 15:44
S105	1	("6173885").PN.	USPAT; USOCR	OR	OFF	2005/06/15 15:46
S106	4	(("6036080") or ("6041995") or ("5958259") or ("5884830")).PN.	USPAT; USOCR	OR	OFF	2005/06/15 15:47
S107	14	("3357090" | "4974767"). PN. OR ("5884830"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/15 17:21
S108	2	"20040152292"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/15 17:39

S10 9	2	"20020158316"	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2005/06/15 17:43
S11 0	6	"6244499"	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2005/06/15 17:44
S11 1	2	(("6182885") or ("5967401")).PN.	USPAT; USOCR	OR	OFF	2005/06/15 17:45
S11 2	13	("4327860" | "4932584" | "4976392" | "5111989" | "5192018").PN. OR ("5967401").URPN.	US-PGPU B; USPAT; USOCR	OR	ON	2005/06/15 17:50
S11 3	16	"5156323"	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2005/06/15 17:50
S11 4	6	(("5156323") or ("5060841") or ("5431329")).PN.	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB	OR	OFF	2005/06/15 17:51

S11 5	4	"646950".ap.	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2005/06/16 08:15
S11 6	3	babinetz.in.	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2005/06/16 08:17
S11 7	0	("60646950").PN.	USPAT; USOCR	OR	OFF	2005/06/16 08:18
S11 8	0	"60646950".ap.	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2005/06/16 08:19
S11 9	0	"60646950".apn.	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2005/06/16 08:19